

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SALMAN AKRAM
WARREN M. FARNWORTH
ALAN G. WOOD

ART UNIT:

Serial No.:

EXAMINER:

Filing Date: 3/31/2004

FOR: METHOD FOR FABRICATING SEMICONDUCTOR COMPONENTS
BY FORMING CONDUCTIVE MEMBERS USING SOLDER

Docket No. 97-1363.5

INFORMATION DISCLOSURE STATEMENT
MARCH 31, 2004

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following sections are being submitted for this Information Disclosure Statement:

1. Preliminary Statements
2. FORM PTO SB/08
3. Statement As to Information Material to Examination Not Found in Patents or Publications.
4. Identification of Prior Application in Which Listed Information Was Already Cited and For Which No Copies are Submitted Or Need be Submitted.
5. Cumulative Patents or Publications.
6. Copies of Listed Information Items Accompanying This Statement.

7. Concise Explanation of Non-English Language Listed Information Items.

8. Translation(s) of Non-English Language Documents.

9. Identification of Person(s) Making This Information Disclosure Statement.

Section 1. Preliminary Statements

Applicants submit herewith patents, publications or other information of which they are aware which they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

The filing of this information disclosure statement shall not be construed as a representation that a search has made (37 C.F.R. 1.56 (g)), an admission that the information cited is, or is considered to be, material to patentability or that no other material information exists.

Section 2. Identification of Person(s) Making This INFORMATION DISCLOSURE STATEMENT

The person making this statement is

(a) the inventor(s) who signs below

SIGNATURE OF INVENTOR

Name of Inventor

(b) the attorney who signs below on the basis of:

the information supplied by the inventor(s)

an individual associated with the filing and prosecution of this application (37 CFR 1.56(c))

the information in the attorney's file.

**Section 3. Identification of Prior Application In Which Listed
Information Was Already Cited and For Which No Copies
are Submitted or Needed Be Submitted.**

This application relies, under 35 U.S.C. 120, on the earlier filing date of application serial no. 09/961,646, filed 09/25/2001, which is a division of serial no. 09/385,606, filed 08/30/1999, Patent No. 6,294,387, which is a division of serial no. 08/993,965, filed 12/18/1997, Patent No. 6,107,109.

The attached list of references were submitted to and/or cited by the Office in these prior applications and, therefore, are not required to be provided in this application.

DATED this 31st day of March, 2004.

Respectfully submitted:


Stephen A. Gration
Registration No. 28,418
Attorney for Applicants

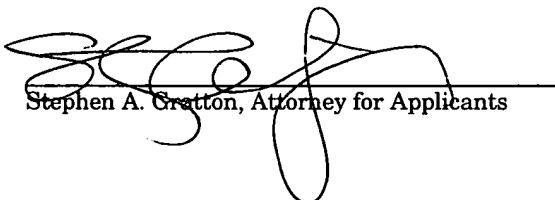
2764 South Braun Way
Lakewood, CO 80228
Telephone: (303) 989 6353
FAX: (303) 989 6538

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March 31, 2004
Date of Signature


Stephen A. Gration, Attorney for Applicants

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	March 31, 2004
		First Named Inventor	SALMAN AKRAM
		Art Unit	
		Examiner Name	
Sheet	2	of	4
		Attorney Docket Number	
		97-1363.5	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 2 of 4

Application Number

Classification Number _____

Date | March 31, 2004

Named Inventor SALMAN AKBAM

NAME INVENTOR: SALMAN AKRAM

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Examiner Name _____

Casey Docket Number 97-1363 5

Key Bucket Number 97-1363.5

MANUFACTURER'S INFORMATION

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
T	US- 5,633,122		05/27/1997	Tuttle	
U	US- 5,634,267		06/03/1997	Farnsworth et al.	
V	US- 5,674,785		10/07/1997	Akram et al.	
W	US- 5,686,317		11/11/1997	Akram et al.	
X	US- 5,716,218		02/10/1998	Farnworth et al.	
Y	US- 5,739,585		04/14/1998	Akram et al.	
AA	US- 5,781,022		07/14/1998	Wood et al.	
AB	US- 5,783,461		07/14/1998	Hembree	
AC	US- 5,783,865		07/21/1998	Higashiguchi et al.	
AD	US- 5,796,590		08/18/1998	Klein	
AE	US- 5,801,452		009/01/1998	Farnworth et al.	
AF	US- 5,815,000		09/29/1998	Farnworth et al.	
AG	US- 5,834,945		11/10/1998	Akram	
AH	US- 5,869,974		02/09/1999	Akram et al.	
AI	US- 5,870,289		02/09/1999	Tokuda et al.	
AJ	US- 5,876,580		03/02/1999	Lykins	
AK	US- 5,878,485		03/09/1999	Wood et al.	
AL	US- 5,896,036		04/20/1999	Wood et al.	
AM	US- 5,915,977		06/19/1999	Hembree et al.	

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	
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***EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.**

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

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Substitute for form 1449/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Application Number	
Sheet	3	Filing Date	March 31, 2004
	of 4	First Named Inventor	SALMAN AKRAM
		Art Unit	
		Examiner Name	
		Attorney Docket Number	
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
AN	US- 5,929,647	07/17/1999	Akram et al.		
AO	US- 5,931,685	08/03/1999	Hembree et al.		
AP	US- 5,936,847	08/10/1999	Kazole		
AQ	US- 5,952,840	09/14/1999	Farnworth et al.		
AR	US- 5,962,921	10/05/1999	Farnworth et al.		
AS	US- 6,013,948	01/11/2000	Akram et al.		
AT	US- 6,040,702	03/21/2000	Hembree et al.		
AU	US- 6,107,109	08/22/2000	Akram et al.		
AV	US- 6,107,119	08/22/2000	Farnworth et al.		
AW	US- 6,114,240	09/05/2000	Akram et al.		
AX	US- 6,162,997	12/19/2000	Memis		
AY	US- 6,294,837 B1	09/25/2001	Akram et al.		
AZ	US- 6,353,328 B2	03/05/2002	Akram et al.		
BA	US- 6,356,098 B1	03/12/2002	Akram et al.		
BB	US- 6,362,637 B2	03/26/2002	Farnworth et al.		
BC	US- 6,400,172 B1	06/04/2002	Akram et al.		
BD	US- 6,417,685 B1	07/09/2002	Akram et al.		
BE	US- 6,437,591 B1	08/20/2002	Farnworth et al.		
BF	US- 6,451,624 B1	09/17/2002	Farnworth et al.		

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
					T ⁶

Examiner Signature	Date Considered
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<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>				<i>Complete if Known</i>			
				Application Number			
				Filing Date		March 31, 2004	
				First Named Inventor		SALMAN AKRAM	
				Art Unit			
Examiner Name							
Sheet	4	of	4	Attorney Docket Number	97-1363.5		

NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Applicant's unique clause designation number (optional). Applicant is to place a check mark here if English language Translation is attached.
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Docket No. 97-1363.5

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

March 31, 2004

MAIL STOP PATENT APPLICATION
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

The citations listed on the accompanying Form PTO/SB/08, copies attached, may be material to the examination of the subject application and are therefore submitted in compliance with the duty of disclosure defined in 37 CFR §§1.56, 1.97 and 1.98.

This Information Disclosure Statement under 37 CFR §§1.56, 1.97 and 1.98 is not to be construed as a representation that a search has been made, that additional material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art under 35 USC §102.

It is requested that the above citations be made of record, if appropriate, in the prosecution of this application.

Respectfully submitted:


Stephen A. Grotton, Registration No. 28,418
Attorney of Record

2764 South Braun Way
Lakewood, CO 80228
Telephone: 303 989 6353

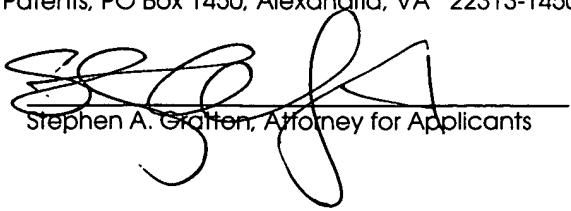
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Stephen A. Grotton, Attorney for Applicants

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	
Filing Date	March 31, 2004
First Named Inventor	SALMAN AKRAM
Art Unit	
Examiner Name	
Attorney Docket Number	Q7-1363-5

Attorney Docket Number 97-1363.5

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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Signature

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